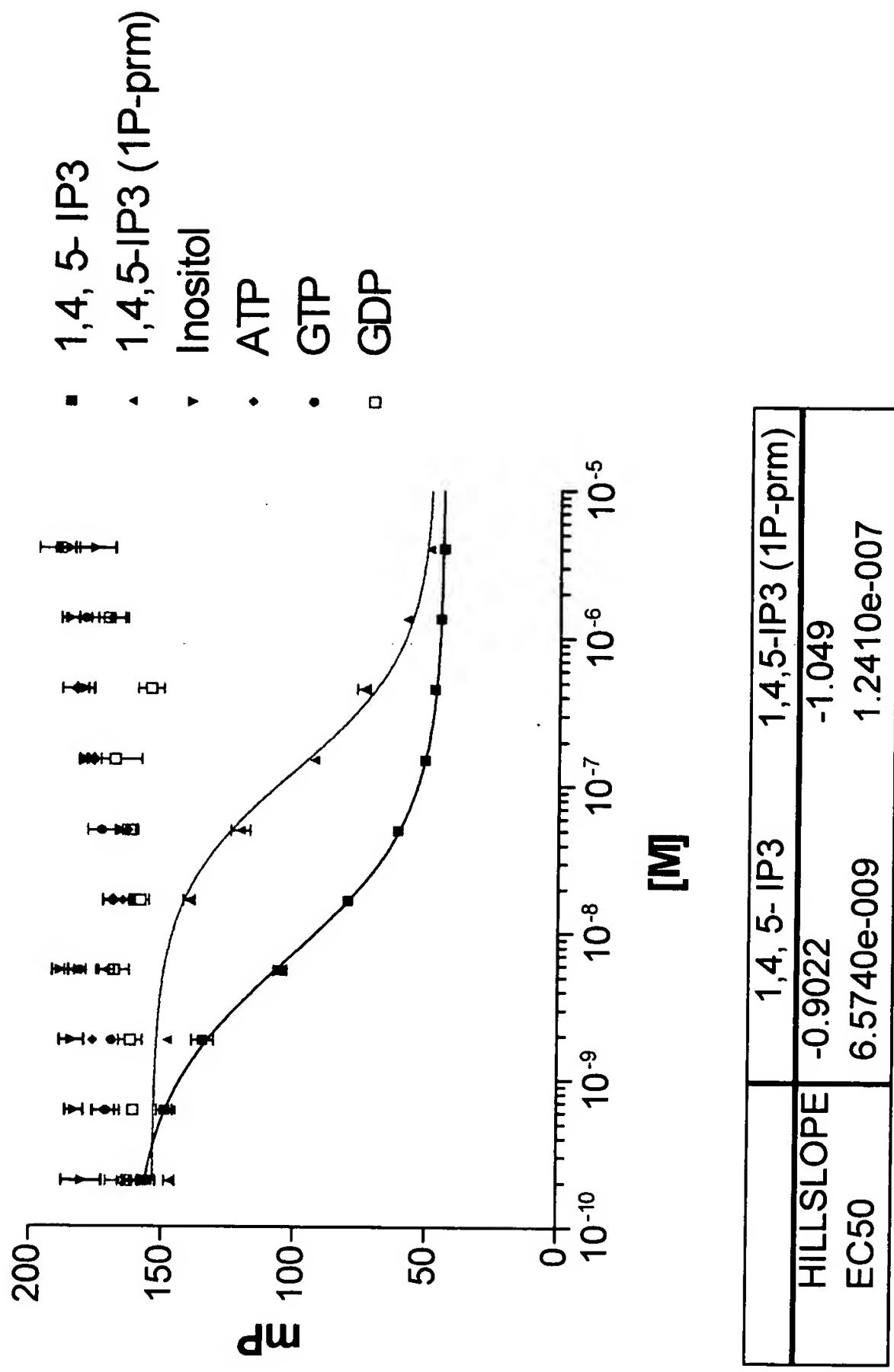
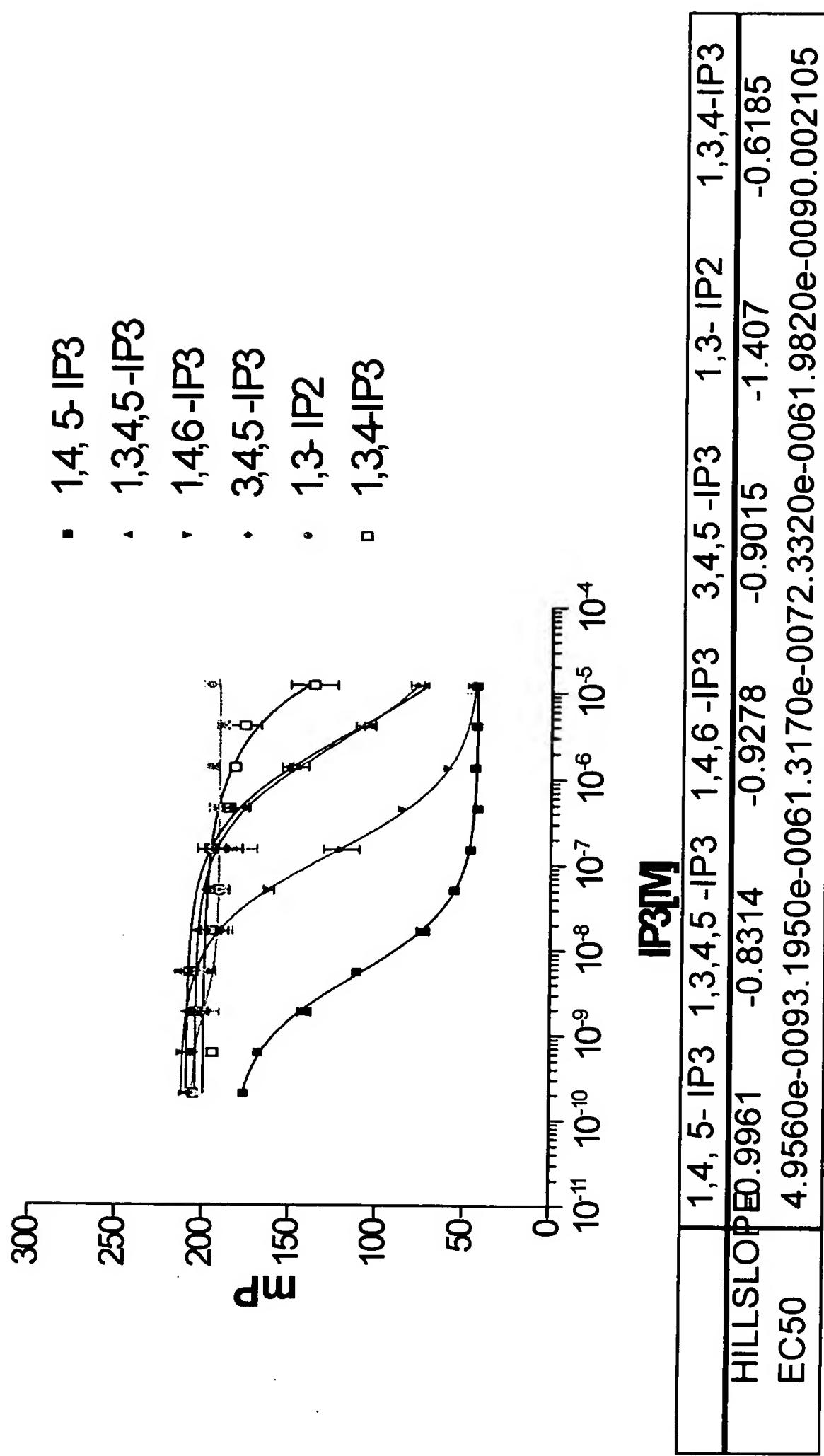


**IP3 binding protein reactivity to  
different IP3 derivatives and  
other phosphate derivatives**

# 2-position IP<sub>3</sub> derivative is more potent than 1-position IP<sub>3</sub>



2 position IP3 derivative shows  
higher binding affinity than other  
IP3 derivatives



# Summary

- The binding protein used in this assay has 1000 times greater binding activity to IP3 than endogenous IP3R in mouse cerebellar microsomes (Refs: MikoshibaK BBRC 1999a & JBC, 2002)
- Studies using Discoverx Fluorescence polarization (FP) showed high binding affinity and selectivity of 2 position IP3 derivative when compared to other IP3 derivatives or ATP/ GTP derivatives